**Technical Design Document Template**

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**Date Created:** 2/26/2025

**Program Description:**

This program asks the user to enter a paragraph. The program then calls a function to count every sentence. The program then displays each individual sentence and amount of sentences.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** sentence\_split(paragraph)

**Description:** This function searches through its parameter for an end of sentence and then prints each sentence and total amount of sentences

**Parameters:** paragraph – argument for eventual user input

**Variables:**

Pattern – the search pattern for an end of sentence

Sentences – list of each sentence found

**Logical Steps:**

1. Define search pattern
2. Use re.findall to search through function argument
3. Print each sentence and amount of sentences

**Returns:** each individual sentence and amount of sentences

2. **Function Name:** main()

**Description:** ask user for input and call regular expression function

**Parameters:** none

**Variables:** user\_paragraph – the user input

**Logical Steps:**

1. Ask for paragraph
2. Call sentence\_split using user input as argument

**Returns:** none

**Logical Steps:**

1. Calls main function
2. Sentence\_split is called from within

**Link to your repository:** <https://github.com/jace-walker/COP2073>